



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	4	Attorney Docket Number	10884-00025-US
-------	---	----	---	------------------------	----------------

## Complete if Known

Application Number	10/824688-Conf. #8069
Filing Date	April 14, 2004
First Named Inventor	Christopher J. Sewall
Art Unit	N/A
Examiner Name	Not Yet Assigned

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	2,802,000		8/6/1957	Caldwell et al.	
AB	2,813,093		11/12/1957	Caldwell et al.	
AC	2,825,727		3/4/1958	C. G. Caldwell	
AD	2,876,217		3/3/1959	E. F. Paschall	
AE	3,058,827		10/16/1962	J. L. Graham	
AF	3,094,517		6/18/1963	N. F. Stanley	
AG	3,176,003		3/30/1965	D. J. Stancioff	
AH	3,329,509		7/4/1967	A. Julius	
AI	3,378,546		4/16/1968	T. Tsuzuki	
AJ	3,499,962		3/10/1970	Warzburg et al.	
AK	3,505,110		4/7/1970	Kesler et al.	
AL	3,607,394		9/21/1971	F. J. Germino et al.	
AM	3,865,603		2/11/1975	Szymanski et al.	
AN	4,009,291		2/22/1977	Mitchell et al.	
AO	4,026,986		5/31/1977	Christen et al.	
AP	4,129,134		12/12/1978	Hind et al.	
AQ	4,231,803		11/4/1980	Bovier et al.	
AR	4,276,320		6/30/1981	A. Moirano	
AS	4,600,439		7/15/1986	Schneider et al.	
AT	4,615,897		10/7/1986	Brown et al.	
AU	4,626,288		12/2/1986	Trzasko et al.	
AV	4,632,848		12/30/1986	Gassett et al.	
AW	4,643,894		2/17/1987	S. C. Porter et al.	
AX	4,725,441		2/16/1988	S. C. Porter	
AY	4,738,724		4/19/1988	Wittwer et al	
AZ	4,795,642		1/3/1989	Cohen et al.	
ABA	4,828,841		5/9/1989	S. C. Porter	
ABA	4,935,243		6/19/1990	Borkan et al.	
ABC	5,089,307		2/18/1992	H. Ninomiya et al. -	
ABD	5,146,730		9/15/1992	Sadek et al.	
ABE	5,224,989		7/6/1993	Eva Likarova	
ABF	5,334,640		8/2/1994	Desai et al.	
ABG	5,342,626		8/30/1994	P. E. Winston, Jr. et al.	
ABH	5,451,673		9/19/1995	Fishman et al.	
ABI	5,484,598		1/16/1996	Schurin et al.	
ABJ	5,549,983		8/27/1996	J. Yamanis	
ABK	5,525,368		6/11/1996	Rha et al.	
ABL	5,550,178		8/27/1996	Desai et al.	
ABM	5,554,385		9/10/1996	N. Stroud	
ABN	5,587,412		12/24/1996	G. Bochers et al.	
ABO	5,620,757		4/15/1997	H. Ninomiya et al.	
ABP	5,646,206		7/8/1997	D. R. Coffin et al.	
ABQ	5,656,294		8/12/1997	Friend et al.	
ABR	5,672,699		9/30/1997	R. L. Billmers et al.	
ABS	5,726,008		3/10/1998	J. E. Maskasky	

Examiner Signature	Date Considered	
--------------------	-----------------	--

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /EW/

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	4	Attorney Docket Number	10884-00025-US
-------	---	----	---	------------------------	----------------

ABT	5,804,243	9/8/1998	Loh et al.	
ABU	5,811,388	9/22/1998	Friend et al.	
ABV	5,817,323	10/6/1998	Hutchinson et al.	
ABW	5,932,639	8/3/1999	Eden et al.	
ABX	5,976,586	11/2/1999	L. Feller	
ABY	6,030,641	2/29/2000	Yamashita et al.	
ABZ	6,063,915	5/16/2000	Hansen et al.	
ACA	6,066,368	5/23/2000	Bilmers et al.	
ACB	6,143,324	11/7/2000	Michaud et al.	
ACC	6,146,570	11/14/2000	A. J. Stern	
ACD	6,210,709	4/3/2001	Laba et al.	
ACE	6,214,376	4/10/2001	A. Gennadios	
ACF	6,331,205	12/18/2001	L. Paris	
ACG	6,375,981	4/23/2002	G. M. Gilleland et al.	
ACH	6,387,354	5/14/2002	Bixler et al.	
ACI	6,479,649	11/12/2002	Tsai et al.	
ACJ	6,517,865	2/11/2003	Cade et al.	
ACK	6,528,088	3/4/2003	Gilleland et al.	
ACL	6,607,748	8/19/2003	V. Lenaerts et al.	
ACM	6,649,188	11/16/2003	Gilleland et al.	
ACN	6,790,495	9/14/2004	Tomka et al.	
ACO	2002/0081331	6/27/2002	K. E. Tanner et al.	
ACP	2002/0142031	10/3/2002	G. M. Gilleland et al.	
ACQ	2003/0138482	7/24/2003	L. G. Fonkwe et al.	
ACR	2004/0087669	5/6/2004	S. Hausmanns et al.	
ACS	2005/0069579	3/31/2005	R. Kamaguchi et al.	
ACT	2005/0070703	3/31/2005	R. Muller et al.	
ACU	2005/0163833	7/28/2005	R. Muller	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code	Number <sup>2</sup> -Kind Code <sup>3</sup> (if known)				
BA	EP 0 169 319			1/29/1986	Berwind Pharmaceutical Services, Inc.		
BB	EP 0 400 484			12/5/1990	Mitsubishi Rayon Co., LTD		
BC	EP 0 408 503			1/16/1991	Warner-Lambert Company		
BD	EP 0 409 781			1/23/1991	Warner-Lambert Company		
BE	EP 0 409 782			1/23/1991	Warner-Lambert Company		
BF	EP 0 409 788			1/23/1991	Warner-Lambert Company		
BG	EP 0 471 558			2/19/1992	Unilever NV		
BH	EP 0 547 551			6/23/1993	National Search and Chemical Investment Holding Corporation		
BI	EP 0 606 486			7/20/1994	Teijin Limited		
BJ	EP 0 622 408			11/2/1994	CP Kelco ApS		
BK	EP 0 633 896			1/18/1995	National Search and Chemical Investment Holding Corporation		
BL	EP 0 761 691			3/12/1997	National Search and Chemical Investment Holding Corporation		

Examiner Signature	/Everett White/	Date Considered	07/20/2010
--------------------	-----------------	-----------------	------------

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /EW/

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448A/B/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/824688-Conf. #8069
				Filing Date	April 14, 2004
				First Named Inventor	Christopher J. Sewall
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	10884-00025-US

BM	JP 5 4014	1/14/1993	Asahi Chemical Ind; Fuji Capsule KK
BN	JP 7 106478	8/4/1995	Sugi Heime
BO	WO 94/25493	11/10/1994	The United States of America
BP	WO 97/49762	12/31/1997	Oy Polymer Corex Kuopio Ltd.
BO	WO 99/07347	2/18/1999	Paris, Laurence
BR	WO 00/10538	3/2/2000	Banner Pharmacaps, Inc.
BS	WO 00/18835	4/6/2000	Warner-Lambert Company
BT	WO 01/37817	5/31/2001	Grether, Peter
BU	WO 01/91721	12/6/2001	A.E. Staley Manufacturing Co.

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. **Applicant's unique citation designation number (optional):** *See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.* **Enter Office that issued the document, by the two-letter code (WIPO Standard 3.7):** *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.* **Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.** *Applicant is to place a check mark here if English language Translation is attached.*

#### NON-PATENT LITERATURE DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.*
	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	T <sup>2</sup>
CA	de Vries J., "Interaction of carrageenan with other ingredients in dairy dessert gels", Gums and stabilisers for the food industry 11: proceedings of the 11th conference, Wrexham, vol. 11 (2002), no. -, pages 201-210, July 2001
CB	R. Falshaw et al., "Structure and performance of commercial K-2 carrageenan extracts", Food Hydrocolloids, vol. 17, pages 129-139, 2003
CC	FMC BioPolymer, "Carrageenan Matrices for Entrapment", Issue No. 1, April 1993
CD	Henry J. Witt, "Carrageenan Nature's Most Versatile Hydrocolloid", pages 347-360, 1985
CE	Glicksman, M., "Gum Technology in the Food Industry", Academic Press, pages 213-228, 1969
CD	C. J. Lawson et al., "Carrageenans", J.C.S. Perkin I, pages 2177-2182, 1973
CE	H. J. Bixler, "Recent developments in manufacturing and marketing carrageenan", Hydrobiologia, pages 35-57, 1996
CF	M. C. Matulewicz et al., "Carrageenan Systems from Tetrasporic or Cystocarpic Stages of Gigartina Skottsbergii", Phytochemistry, vol. 28, pages 2937-2941, 1989
CG	M. C. Matulewicz et al., "Methylation Analysis of Carrageenans from Tetrasporic and Cystocarpic Stages of Gigartina Skottsbergii", Phytochemistry, vol. 29, no. 11, pages 3407-3410, 1990
CH	C. Rochas et al., "Relation Between the Molecular Structure and Mechanical Properties of Carrageenan Gels", "Carbohydrate Polymers", vol. 10, pages 115-127, 1989
CI	Stancioff, D. J. and Stanley, N. F., "Infrared and Chemical Studies on Algal Polysaccharides", Prod. Int'l. Seaweed Symp. 6, pages 595-609, 1969
CJ	Bellion, C. et al., "Analysis of Kappa-Iota-Hybrid Carrageenans with Kappa-Carrageenase, Iota-Carrageenase and <sup>13</sup> C N.M.R.", Xth International Seaweed Symposium, Walter de Gruyter & Co., Berlin-New York, pages 379-384, 1981
LOSE	CK Peats, S., "The Infrared Spectra of Carrageenans Extracted from Various Algae", Xth International Seaweed Symposium, Walter de Gruyter & Co., Berlin-New York, pages 495-502, 1981
	CL JP 5-104145 English language Abstract (espace.net)
	CM JP 2-166129 English language Abstract (European Patent Office)

No Date Disclosure

Examiner Signature	/Everett White/	Date Considered	07/20/2010
-----------------------	-----------------	--------------------	------------

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH /EW/

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/824688-Conf. #8069
<i>(Use as many sheets as necessary)</i>				Filing Date	April 14, 2004
				First Named Inventor	Christopher J. Sewall
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	4	of	4	Attorney Docket Number	10884-00025-US

<sup>a</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>b</sup>Applicant's unique citation designation number (optional). <sup>c</sup>Applicant is to place a check mark here if English language Translation is attached.

426991

Examiner Signature	/Everett White/	Date Considered	07/20/2010
--------------------	-----------------	-----------------	------------

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /EW/